

**AUG - 1 2001**

K012166

510(K) SUBMISSION FOR BROWN NITRILE POWDER-FREE MEDICAL EXAMINATION GLOVE  
SUBMISSION DATE: 2001-06-29

**SUMMARY OF SAFETY AND EFFECTIVENESS**

**A. INFORMATION**

**1. SUBMITTER'S**

Name: BEST MANUFACTURING COMPANY

Address: 579 Edison Street  
Menlo, GA 30731 USA

Telephone Number: 706 862 2302

Contact Person: David C. Young

Date Summary Prepared: 2001-06-29

**2. NAME OF DEVICE**

Trade or Proprietary Name: Nitrile Powder-Free Medical Examination Glove

Common or Usual Name Non-Sterile Nitrile Powder-Free Patient Examination Glove

Classification Name: Patient Examination Glove

**3. PREDICATE DEVICE IDENTIFICATION NAME, NUMBER** N-DEX Nitrile Powder-Free Medical Examination Glove, K992170; and HPI Brown Nitrile Surgical Glove, K915086

**4. DESCRIPTION OF DEVICE**

**a. How the device functions:**

Nitrile rubber films form an excellent barrier to body fluids and bloodborne pathogens.

**b. Scientific concepts that form the basis for the device:**

The nitrile rubber is water tight under normal conditions of use. It's tensile properties cause it to conform to the hand, allowing fine movement necessary for treatment. The absence of natural rubber latex in the product yields no latex protein allergens.

**c. Physical and performance characteristics such as design, materials, and physical properties:**

Nitrile rubber is known to create a superior barrier to bloodborne pathogens and body fluids.

## 5. STATEMENT OF INTENDED USE, INCLUDING DESCRIPTION OF THE DISEASE OR CONDITIONS THAT THE DEVICE WILL ADDRESS

This is a disposable device, intended for medical purposes, that is worn on the examiner's hand to prevent contamination between the patient and examiner. Powder-free examination gloves are suitable in situations where powder is not desirable.

## 6. EXPLANATION OF SIMILARITIES OR DIFFERENCES TO PREDICATE DEVICE

- The proposed device is identical to the predicate device, except for the following:

The proposed device has been rendered brown in color, like predicate K915086, while predicate K992170 is blue. The cherry flavor in predicate K992170 has been removed and the accelerator/sulfur mixture in predicate K992170 has been replaced with ethylene acrylic acid copolymer.

## B. IF SE DECISION BASED ON PERFORMANCE DATA:

## 1. DISCUSSION OF NON-CLINICAL TESTS

<u>Specification</u>	<u>Proposed</u> N-DEX Nitrile Powder-Free Medical Examination Glove (brown)	<u>Predicate</u> N-DEX Nitrile Powder-Free Medical Examination Glove (blue) & HPI Brown Nitrile Surgical Glove
Performance Standards	ASTM	ASTM
Watertightness	ASTM	ASTM

## 2. DISCUSSION OF CLINICAL TESTS

<u>Specification</u> <u>Safety</u>	<u>Proposed</u>	<u>Predicate</u>
Rabbit Irritation	Passes	Passes
Guinea Pig Sensitization	Passes	Passes
Modified Draze Test (Human Study)	N/A	Passes (predicate K992170)

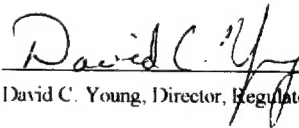
DISCUSSION OF SAFETY OR EFFECTIVENESS DATA OBTAINED  
(with specific reference to adverse effects and complications)

See Section M: Biocompatibility Testing.

3. CONCLUSIONS DRAWN FROM NONCLINICAL AND CLINICAL TESTS  
THAT DEMONSTRATE SAFETY AND EFFECTIVENESS, AND  
Performance => PREDICATE PRODUCT

The Nitrile Powder-Free Medical Examination Glove (brown) has been carefully compared to a legally marketed device in the 510(k). The data summaries indicate that the proposed product meets or exceeds accepted scores for the predicate product in both physical and nonclinical tests and satisfies the requirements for a safe and effective "powder-free" medical glove.

Pursuant to 21 C.F.R. 807.87 (j), I David C. Young, Director, Regulatory Affairs and Quality Assurance, certify that to the best of my knowledge and belief and based upon the data and information submitted to me in the course of my responsibilities as the Director, Regulatory Affairs and Quality Assurance, for the Best Manufacturing Company, and in reliance thereupon, the data and information submitted in this premarket notification are truthful and accurate and that no facts material to a review of the substantial equivalence of this device have been knowingly omitted from this submission.



David C. Young, Director, Regulatory Affairs & Quality Assurance

2001-06-29

DATE



Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

AUG - 1 2001

Mr. David C. Young  
Director of Regulatory Affairs & Quality Assurance  
Best Manufacturing Company  
Corporate Headquarters  
579 Edison Street  
Menlo, Georgia 30731

Re: K012166  
Trade/Device Name: Nitrile Powder-Free Medical  
Examination Glove (Brown)  
Regulation Number: 880.6250  
Regulatory Class: I  
Product Code: LZA  
Dated: June 29, 2001  
Received: July 11, 2001

Dear Mr. Young:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

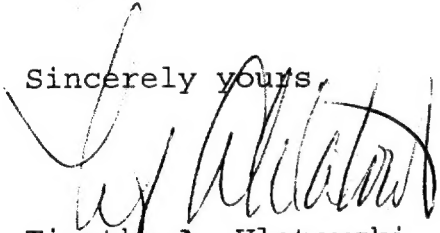
If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the Current Good Manufacturing Practice requirements, as set forth in the Quality System Regulation (QS) for Medical Devices: General regulation (21 CFR Part 820) and that, through periodic QS inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory

action. In addition, FDA may publish further announcements concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531 through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

This letter will allow you to begin marketing your device as described in your 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4692. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its internet address "<http://www.fda.gov/cdrh/dsma/dsmamain.html>".

Sincerely yours,



Timothy A. Ulatowski  
Director

Division of Dental, Infection Control  
and General Hospital Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

### INDICATIONS FOR USE

Applicant: **Best Manufacturing Company**

510(k) Number (if known) K012166 \*

Device Name: **Nitrile Powder-Free Medical Examination Glove (brown)**

The **Nitrile Powder-Free Medical Examination Glove (brown)** is a disposable device intended for medical purposes; that is worn on the examiner's hand, to prevent contamination between the patient and examiner (21 CFR 880.6250).

(PLEASE DO NOT WRITE BELOW THIS LINE - CONTINUE ON ANOTHER PAGE IF NEEDED)

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Concurrence of CDRH Office of Device Evaluation (ODE)


Prescription Use \_\_\_\_\_  
Per 21 CFR 801.109

OR

Over-The-Counter \_\_\_\_\_

\* For a new submission, do NOT fill in the 510(k) number blank.

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(Division Sign-Off)

Division of Dental, Infection Control,  
and General Hospital Devices

510(k) Number K012166